



FCFV-1221-A

SkyAir

**Single-Split
Non Inverter
Series**



GOOD DESIGN
AWARD 2020

**BEST
100**



DESIGN
AWARD
2021



GO DAIKIN



The art of wellbeing begins with the air you breathe in.

Over the years, our air specialists have remained committed to develop and innovate high-quality air technology in order to perfect the air that surrounds you.

Our journey to bringing you quality air and comfort will always be driven by your needs first because at Daikin we believe that breathing well starts with breathing at ease.



Product Line Up

Series	50	60	85
			
	 	 	 
Indoor unit	FCFV50AV1MF	FCFV60AV1MF	FCFV85AV1MF
			
Outdoor unit	RGFV50AV1M	RGFV60AV1M	RGFV85AV1M
Power Supply	220-240V / 1 phase / 50Hz Power from indoor	220-240V / 1 phase / 50Hz Power from indoor	220-240V / 1 phase / 50Hz Power from indoor

100

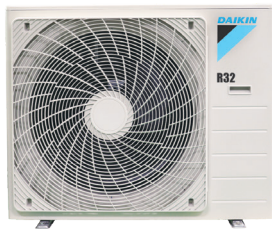


FCFV100AV1MF

125



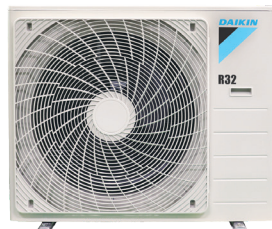
FCFV125AV1MF



RGFV100AV1M

220-240V / 1 phase / 50Hz

Power from outdoor



RGFV125AY1M

380-415V / 3 phase / 50Hz

Power from outdoor



Immerse in ideal living ambience

The REVO Surround Cassette embodies the ideal ambient experience where every aspect is carefully designed to elevate your wellbeing and complement your space and daily needs.

When design meets comfort, redefine the meaning of REVO “revolutionary”, and experience ambient living worthy of your senses.

Heart of the space



Aesthetics refined

Designed to carefully blend into any interior to complement your space while delivering full airflow coverage and top performance.



Comfort maximised

With surround cooling and uniform distribution of airflow, sit back and relax as you go about your tasks and enjoy the ultimate zen experience.



Health prioritised

Where craft and artistry meets high-end technology, equipped with enhanced air purification for triple air quality protection so you can breathe at peace.



Controls Redefined

Built-in WiFi control lets you be the master of your own space by having control of your indoor climate at your fingertips

Aesthetic

Every aspect of the award winning REVO Surround Cassette was designed with care to complement your daily needs and elevate your overall space and surrounding environment.

Features a sleek edge-to-edge bottom inlet and all-round horizontal outlet with a grille pattern that is carefully arranged to minimise ceiling contrast and blend in seamlessly with your space.



GOOD DESIGN
AWARD 2020

**BEST
100**

Japan's Good
Design Award
Best 100



DESIGN
AWARD
2021

Germany's
iF Design Award



Slim Remote Control

Sleek Design

Easily accessible controls

Notable temperature display

Luminous LED Lights

Simple yet focused indicator light bar that lets you stay in the know without the disturbance.

Timer
(On/Off Timer)



Cooling
(Cool Mode)



ECO+
(Energy Saving)







Tasteful interior design
is focused on bringing comfort and creating an inviting atmosphere

Health

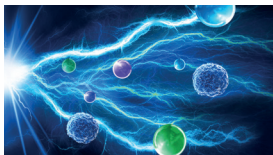
Enjoy enhanced air purification that ensuring your surrounding air remains healthy with the Daikin Streamer Technology.



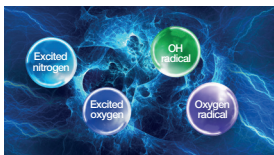
Streamer Technology

Equipped with decomposition technology, Streamer is a type of plasma discharge that eliminates allergens such as pollen, mould, and mites, as well as, deodorises anti-bacterial dust filters so you can breathe with ease.

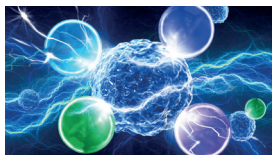
Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.

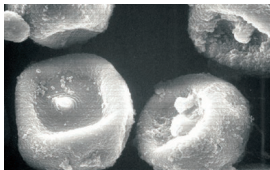


The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing elements with decomposition power.

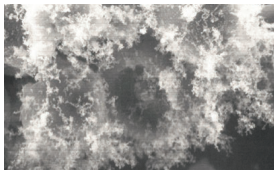


The decomposing elements provide decomposition power.

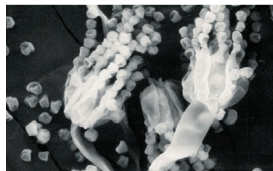
Streamer decomposes and eliminates allergens such as pollen, mould, and mites



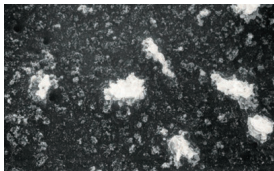
15
minutes
after irradiation



Proved with 13 pollen based allergens including cedar pollen and cypress pollen.



15
minutes
after irradiation

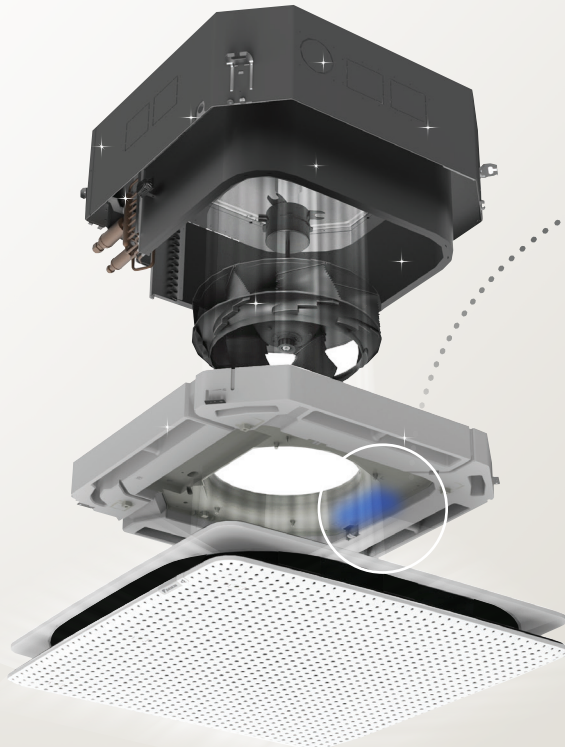


Proved with 6 fungal allergens including Alternaria and Eurotium.

Pollen, mould, and mites (dead mites) were placed on the electrode of the Streamer Discharge unit and then photographed through an electron microscope after being irradiated with Streamer Discharge for 15 minutes.
<A Joint research with Wakayama Medical University.>

The test results obtained for the Streamer discharge device were under laboratory conditions.
The effect and results of products equipped with Streamer technology may vary under actual conditions.

Bacteria Reduction Performance Efficiency Test



Streamer Device

Streamer discharge decomposes bacteria and mould adsorbed on the filter by irradiating them with an advanced plasma electric discharge. It provides highly effective oxidative decomposition.

+



Streamer logo display on remote control

Prominent temperature display for remote control with Streamer logo (when the Streamer is turned on)

Bacteria Reduction Performance Efficiency



Testing Organization:

UM Daikin Laboratory, University of Malaya

Test Number:

TS4-0390

Test Method:

The testing method was based on JEM1467 standard on antibacterial Testing for New Concept Ceiling Cassette

Test Result:

The ceiling cassette unit fixed with the Streamer irradiation on the Titanium Apatite filter for the contact duration of 4 hours resulting, the bacteria was reduced by 99.9%

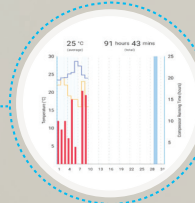
Control

Redefine control by using GO Daikin on your smart phone or tablet to manage and control the REVO Surround Cassette no matter where you are.



GO CONVENIENCE*

- In-home & Out-of-home function allows you to control your AC at anywhere anytime.
- Weekly scheduling allows you to set your AC at your preferred timing at a weekly basis.



GO SAVE*

- Greater savings can be achieved as you can now smartly track your daily hours of operation!



GO COMFORT

- Different operational modes allows you to enjoy the different kinds of cooling experience.

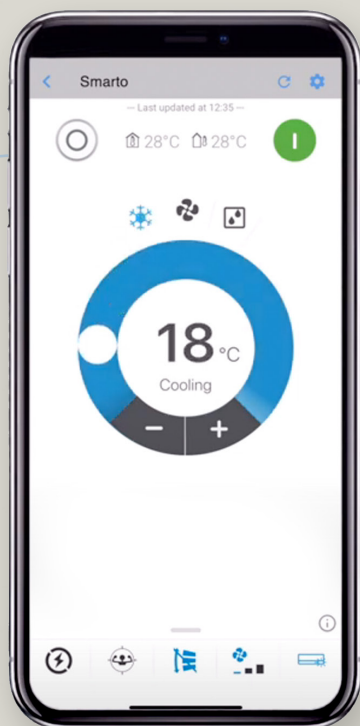


GO SHARE

- User control sharing easily allows you to share your AC controls with your family members through a simple QR code scanning.
- You can unbind the controls or restrict certain app functions of the AC from your family members at any time you desire.

*Certain app functions are optional

Stay in control. No matter where you are.



Smarter Control, Smarter Life

With just a simple WiFi connection, you can connect and control to create the perfect climate at home, anytime, anywhere. It's that easy!

Simplify your life with **GO DAIKIN**

The GO Daikin application lets you manage Daikin air conditioners hassle-free, helping you create your ideal environment at home while saving energy.



GO DAIKIN

Smart
Control

Smart Control connect your tablet or smartphone through internet and by accessing GO DAIKIN App.

Scan to download your GO DAIKIN app



Download on the
App Store



GET IT ON
Google Play



EXPLORE IT ON
AppGallery



PM2.5 Filter (MERV14 Ratings)

Particulate matter as small as 2.5 micrometers (μm) can be breathed deep into the lungs, rest assure that your air remains clean as the filter is able to remove particulate matter as small as PM2.5 with MERV14 ratings in accordance to ASHRAE 52.2 Standards.

Testing Organization:

Goldensea

Test Number:

GS-GL-0527-2021-01

Test Method:

Filter performance test based on ASHRAE 52.2

Test Result:

The filter meets MERV14 rating

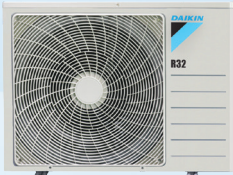
Standard 52.2 Minimum Efficiency Reporting Value	Composite Average Particle Size Efficiency, % in Size Range, μm		
	Range 1 (0.3-1.0)	Range 2 (1.0-3.0)	Range 3 (3.0-10.0)
14	$\geq 75\%$	$\geq 90\%$	$\geq 95\%$



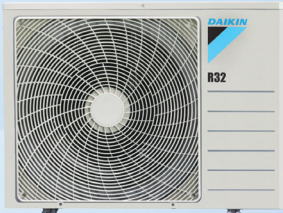
Green Tea Filter

This filter infused with Catechin extracted from green tea. This substance deactivate bacteria and virus captured on the filter surface. On top of that, this substance stop any mildew grow on the filter surface.

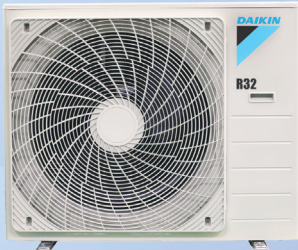
New Outdoor Features



RGVF50/60A



RGVF85A



RGVF100/125A

1

High performance R32 Compressor

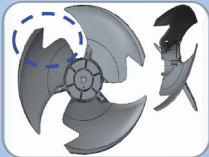
Made with efficiency in mind, the REVO Surround Cassette features an R32 Non-inverter SkyAir Compressor achieving peak COP performance.



2

V-cut Propeller Fan

By imitating the grace of a swan, the use of a V-cut propeller fan imitates the smooth airflow of the migratory bird, in turn increasing performance and reducing sound pressure level.



3

High Durability

Made with an exterior surface from adopted zinc coated heavy gauge galvanised steel finished with weather resistant casing, as well as, longer piping length to ensure long lasting durability.

4

Longer Piping Length

Series	Max Piping Length	Max Piping Elevation
50	35	20
60	35	20
85	50	30
100	50	30
125	50	30

Note: Long piping length to provide installation flexibility

Technical Specifications

Model			Indoor unit		FCFV50AV1MF	FCFV60AV1MF
			Outdoor unit		RGFV50AV1M	RGFV60AV1M
			Decoration Panel	Wireless	BC50GMF	BC50GMF
Rated Cooling Capacity			Btu/h		18,500	25,000
			kW		5.42	7.33
Total Power			W		1,617	2,220
Total Current			A		7.18	9.82
CSPF			W/W		3.56	3.51
Power supply			V/Ph/Hz		220-240/1/50	220-240/1/50
Indoor	Airflow (H/M/L/Q)		cfm		855/715/595/470	855/715/595/470
	Sound Pressure Level (H/M/L/Q)		dBA		44/40/37/35	44/40/37/35
	Dimension (H x W x D)	Unit	mm		246 X 840 X 840	246 X 840 X 840
		With decoration panel	mm		374 X 962 X 962	374 X 962 X 962
	Packaging Dimension (H x W x D)	Unit	mm		324 X 922 X 922	324 X 922 X 922
		Decoration panel	mm		246 X 1021 X 1024	246 X 1021 X 1024
	Unit Weight	Unit	kg		22.0	22.0
		With decoration panel	kg		30.5	30.5
Outdoor	Sound Pressure Level		dBA		52	52
	Dimension (H x W x D)		mm		615 X 845 X 300	615 X 845 X 300
	Packaging Dimension (H x W x D)		mm		679 X 992 X 414	679 X 992 X 414
	Unit Weight		kg		42.0	46.0
Pipe Connection Size		Liquid	mm		6.4	6.4
Pipe Connection Size		Gas	mm		12.7	12.7
Maximum Piping Length			m		35	35
Maximum Piping Elevation			m		20	20
Heat Insulation			Both Liquid and Gas Piping			

Remarks
* Due to product innovation, all specifications are subjected to change by the manufacturer without prior notice.
* All units are being tested and comply to ISO5151.
* Nominal cooling capacity are based on the conditions: 27°C DB / 19°C WB indoor and 35°C DB outdoor.

Comfortable Airflow

Surround Airflow Operation ●

Comfort Control

Auto Fan Speed ●
Indoor Unit Quiet Operation ●
Switchable Fan Speed ● 4 steps

Operation

Programme Dry Function ●
Fan Only ●
Cooling ●
ECO+ ●
Powerful ●
Sleep ●

Lifestyle Convenience

Indoor Unit ON/OFF Button ●
Signal Receiving Sign (R/C)*1 ●
L.E.D. (ON/OFF)*1 ●
Streamer ON/OFF Button *1 ●
R/C with Backlight *2 ●
Room Temperature Display (R/C) *2 ●

Health & Clean

Streamer ●
PM 2.5 ●
Green Tea Filter ●
Ceiling Soil Prevention ●
Washable Grille ●

Timer

Weekly Timer Operation *2 ●
24-hour ON/OFF buttonTimer (R/C)*1 ●

FCFV85AV1MF	FCFV100AV1MF	FCFV125AV1MF
RGFV85AV1M	RGFV100AV1M	RGFV125AY1M
BC50GMF	BC50GMF	BC50GMF
30,000	36,500	42,000
8.79	10.70	12.31
2,715	3,190	3,620
11.90	14.10	6.82
3.44	3.56	3.61
220-240/1/50	220-240/1/50	380-415/3/50
855/715/595/470	1075/960/830/720	1075/960/830/720
44/40/37/35	48/46/43/40	48/46/43/40
246 X 840 X 840	288 X 840 X 840	288 X 840 X 840
374 X 962 X 962	416 X 962 X 962	416 X 962 X 962
324 X 922 X 922	370 X 922 X 922	370 X 922 X 922
246 X 1021 X 1024	246 X 1021 X 1024	246 X 1021 X 1024
22.0	25.0	25.0
30.5	33.5	33.5
53	56	58
615 X 930 X 350	852 X 1030 X 400	852 X 1030 X 400
760 X 1084 X 473	995 X 1136 X 516	995 X 1136 X 516
56.0	70.0	79.0
9.5	9.5	9.5
15.9	15.9	15.9
50	50	50
30	30	30
Both Liquid and Gas Piping		

Worry Free (Reliability & Durability)

- Auto Restart (After Power Failure)

●
- Self-diagnosis

●
- Wiring Error Check Function

●

Class 125
- Anti-corrosion Treatment of Outdoor Heat Exchanger

●

Blue Fin

Flexibility

- Water Pump (Water Drainage Pipe Flexibilty)

●
- °F/°C Changeover R/C Temperature Display (Factory Setting: °C)

●
- Pre-charged Piping Length

●

7.5m

Remote Control

- NIM Adaptor

●
- Sequential NIM Adaptor

●
- BAG

●
- WIFI (Only compatible with DAMA APP)

●
- Wireless

●

ARC485A7
- Wired (Optional)

●

BRC51D62

● Standard ● Optional

*1. Applicable when wireless remote controller is used.
*2: Applicable when wired remote controller is used.



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